KENWOOD

GPS NAVIGATION SYSTEM

DNX890HD
DNX690HD
DNX570HD
DNX5080EX

GPS NAVIGATION INSTRUCTION MANUAL

JVCKENWOOD Corporation

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⚠
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Special instructions, supplementary explanations, limitations, and reference pages are described.

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Getting Started

The first time you use your Kenwood Navigation System, you need to set up your system. The Help menu provides additional information.

⚠ WARNING

See "Safety Precautions and Important Information" in the *Quick Start Guide* for product warnings and other important information.

- The screenshots shown in this manual may not exactly match the screens on your navigation system. The images used in this manual are intended for reference only.

Using the Navigation System

For complete audio system information, see the other Kenwood system manuals.

- Select ① to access the navigation system.
- When navigating, ② displays Kenwood audio. When using audio, this displays navigation information.

Help When You Need It

Select Apps > Help to view information about using the device.

Searching Help Topics

Select Apps > Help > 🔍.

Status Bar Icons

The status bar is located at the top of the main menu. The status bar icons display information about features on the device. You can select some icons to change settings or view additional information.

	GPS signal status.
11:20A	Current time.
	Smartphone Link status (appears when connected to Smartphone Link). See (page 24).

Satellite Signals

After your vehicle is turned on, the navigation system begins acquiring satellite signals. The system may need a clear view of the sky to acquire satellite signals. When at least one of the bars is green, your system has acquired satellite signals.

Viewing GPS Satellite Signals

For more information about GPS, go to www.garmin.com/aboutGPS.

Select .

Using the On-Screen Buttons

- Select to return to the main menu.
- Hold to quickly return to the main menu.
- Select or to see more choices.
- Hold or to scroll faster.
- Select to see a menu of options for the current screen.

Using the On-Screen Keyboard

See Language Settings to change the keyboard layout (page 34).

When an on-screen keyboard appears, select a letter or a number to enter it.

- Select to add a space.
- Select to delete a character.
- Select to erase the entire entry.
- Select to select the keyboard language mode.
- Select to enter special characters, such as punctuation marks.
- Select to change character capitalization.

Adding a Shortcut

You can add shortcuts to the Where To? menu. A shortcut can point to a location, a category, or a search tool. The Where To? menu can contain up to 36 shortcut icons.

1. **Select Where To? > Add Shortcut.**
2. **Select an item.**

Removing a Shortcut

1. **Select Where To > > Remove Shortcut(s).**
2. **Select the shortcut to remove.**
3. **Select the shortcut again to confirm.**

Finding Locations

The navigation system offers many methods for finding locations. The detailed maps loaded in your navigation system contain locations, such as restaurants, hotels, and auto services. You can use categories to browse for nearby businesses and attractions.

Finding a Location by Category

1. **Select Where To?.**
2. **Select a category, or select Categories.**
3. **If necessary, select a subcategory.**
4. **Select a location.**

Searching Within a Category

To narrow your search results, you can search within some categories.

1. **Select Where To?.**
2. **Select a category, or select Categories.**
3. **If necessary, select a subcategory.**
4. **If necessary, enter all or part of the name in the search bar (page 12).**

Finding a Location Using the Search Bar

You can use the search bar to search for locations by entering a category, brand name, address, or city name.

1. **Select Where To?.**
2. **Select the search bar ①.**

3. **Enter a search term.**

   Suggested search terms appear below the search bar as you type.

4. **Select an option:**
   - **To search for a type of business, enter a category name, such as "movie theaters."**
   - **To search for a business by name, enter all or part of the name.**
   - **To search for an address near you, enter the street number and street name.**
   - **To search for an address in another city, enter the street number, street name, city, and state.**
   - **To search for a city, enter the city and state.**
   - **To search for coordinates, enter latitude and longitude coordinates.**
5. **Select an option:**
   - **To search using a suggested search term, select the term.**
   - **To search using the text you entered, select .**
6. **If necessary, select a location.**

Changing the Search Area

By default, your device finds locations closest to your current location. You can find a location near another city or location.

1. **Select Where To? > Searching Near.**
2. **Select an option.**
3. **If necessary, select a location.**

Finding Fuel Stations and Prices

Before you can use this feature, you must subscribe to the Fuel Price service, and your device must be connected via a supported phone running Smartphone Link. This feature is not available in all areas.

You can find nearby fuel stations and compare fuel prices.

1. **Select Where To? > Categories > Fuel Prices.**
2. **If necessary, select ☰ > Fuel Type, select a fuel type, and select Save.**
3. **Select a fuel station.**

Finding an Address

- The order of the steps may change depending on the map data loaded on your device.

1. **Select Where To? > Address.**
2. **Enter the address number, and select Done.**
3. **Enter the street name, and select Next.**
4. **If necessary, select Searching In to change the city, state, or province.**
5. **If necessary, select the city, the state, or the province.**
6. **If necessary, select the address.**

Finding a City

Before you can find a city, you must add a shortcut to the cities search tool (page 11).

1. **Select Where To? > Cities.**
2. **Select Enter Search.**
3. **Enter a city name, and select 🔍.**
4. **Select a city.**

Finding an Intersection

Before you can find an intersection, you must add a shortcut to the intersection search tool (page 11).

1. **Select Where To? > Intersections.**
2. **Select a state or province.**

   If necessary, select State or Country to change the country, state, or province.
3. **Enter the first street name, and select Next.**
4. **If necessary, select the street.**
5. **Enter the second street name, and select Next.**
6. **If necessary, select the street.**
7. **If necessary, select the intersection.**

Finding a Location Using Coordinates

Before you can find a location using coordinates, you must add a shortcut to the coordinates search tool (page 11).

You can find a location using latitude and longitude coordinates. This can be helpful when geocaching.

1. **Select Where To? > Coordinates.**
2. **If necessary, select ☰ > Format, select the correct coordinate format for the type of map you are using, and select Save.**
3. **Select the latitude coordinate.**
4. **Enter the new coordinate, and select Done.**
5. **Select the longitude coordinate.**
6. **Enter the new coordinate, and select Done.**
7. **Select View on Map.**

Finding a Location by Browsing the Map

Before you can find places included in the map data, such as restaurants, hospitals, and fuel stations, you must enable the map layer for places along the road (page 21).

1. **Select View Map.**
2. **Drag and zoom the map to display the area to search.**
3. **If necessary, select 🔍, and select a category icon to view only a specific category of places.**

   Location markers (🍴 or a blue dot) appear on the map.
4. **Select an option:**
   - **Select a location marker.**
   - **Select a point, such as a street, intersection, or address location.**
5. **If necessary, select the location description to view additional information.**

Find a Location Using Quick Search

After you have performed a search for a point of interest, certain categories may display a Quick Search list that displays the last four destinations you selected.

1. **Select Where To?.**
2. **Select a category, or select Categories.**
3. **If applicable, select a destination from the Quick Search list ①.**

4. **If necessary, select the appropriate destination.**

Saving a Home Location

You can set your home location for the location you return to most often.

1. **Select Where To? > ☰ > Set Home Location.**
2. **Select Enter My Address, Use My Current Location, or Choose from Recently Found.**

   The location is saved as "Home" in the Saved menu.

Going Home

Select Where To? > Go Home.

Editing Your Home Location Information

1. **Select Where To? > Saved > Home.**
2. **Select > > Edit.**
3. **Enter your changes.**
4. **Select Done.**

Finding Recently Found Places

Your device stores the last 50 locations you have found.

1. **Select Where To? > Recent.**
2. **Select a location.**

Clearing the List of Recently Found Places

Select Where To? > Recent > > Clear > Yes.

Finding Parking

1. **Select Where To? > Categories > Parking.**
2. **Select a parking location.**

Setting a Simulated Location

If you are not receiving satellite signals, you can use the GPS to set a simulated location.

1. **Select Settings > Navigation.**
2. **Select GPS Simulator.**
3. **From the main menu, select View Map.**
4. **Select an area on the map.**

   The address of the location appears at the bottom of the screen.
5. **Select the location description.**
6. **Select Set Location.**

Saving a Location

1. **Search for a location (page 12).**
2. **From the search results, select a location.**
3. **Select .**
4. **Select > Save.**
5. **If necessary, enter a name, and select OK.**

Saving Your Current Location

1. **From the map, select the vehicle icon.**
2. **Select Save.**
3. **Enter a name, and select Done.**
4. **Select OK.**

Starting a Route to a Saved Location

1. **Select Where To? > Saved.**
2. **If necessary, select a category, or select All Saved Places.**
3. **Select a location.**
4. **Select Go!.**

Editing a Saved Location

1. **Select Where To? > Saved.**
2. **If necessary, select a category.**
3. **Select a location.**
4. **Select** ⓘ.
5. **Select** ☰ **> Edit.**
6. **Select an option:**
   - Select **Name**.
   - Select **Phone Number**.
   - To assign categories to the Favorite, select **Categories**.
   - To change the symbol used to mark the Favorite on a map, select **Change Map Symbol**.
7. **Edit the information.**
8. **Select Done.**

Assigning Categories to a Saved Location

You can add custom categories to organize your saved locations.

- Categories appear in the saved locations menu after you have saved more than 12 locations.

1. **Select Where To? > Saved.**
2. **Select a location.**
3. **Select** ⓘ.
4. **Select** ☰ **> Edit > Categories.**
5. **Enter one or more category names, separated by commas.**
6. **If necessary, select a suggested category.**
7. **Select Done.**

Deleting a Saved Location

- Deleted locations cannot be recovered.

1. **Select Where To? > Saved.**
2. **Select** ☰ **> Delete Saved Places.**
3. **Select the box next to the saved locations to delete, and select Delete.**

Navigation

You can create, customize, and edit your routes.

Starting a Route

1. Search for a location (page 12).
2. Select a location.
3. Select Go!.
4. If necessary, select a route.

Previewing Multiple Routes

1. Search for a location (page 12).
2. From the search results, select a location.
3. Select Routes.
4. Use the on-screen buttons to select a route.
5. Select Go!.

Following a Route

The route is marked with a magenta line. A checkered flag marks your destination.

As you travel, the device guides you to the destination with voice prompts, arrows on the map, and directions at the top of the map. If you depart from the original route, the device recalculates the route and provides new directions.

Using the Navigation Map

1. From the main menu, select View Map.
2. If the zoom controls are hidden, select the map to display the zoom controls.
3. Select the map to switch to browsing mode.

   Map buttons appear.
4. Select an option:
   - To zoom in or out, select + or −.
   - To rotate the map view, select .
   - To switch between North Up and 3-D views, select .
   - To add or remove map layers, select .
   - To view specific location categories, select and select a category icon.
   - To center the map on your current location, select .
   - To view shortcuts for map and navigation features, select .

Adding a Point to a Route

1. **While navigating a route, select to return to the main menu.**
2. **Select Where To?.**
3. **Search for the location (page 12)**
4. **Select Go!.**
5. **Select Add to Active Route.**

Taking a Detour

While navigating a route, you can use detours to avoid obstacles ahead of you, such as construction zones.

- If the route you are currently navigating is the only reasonable option, your device might not calculate a detour.

From the map, select > Detour.

Stopping the Route

From the map, select .

Updating Speed Limits

NOTICE

The speed limit icon feature is for information only and does not replace the driver's responsibility to abide by all posted speed limit signs and to use safe driving judgment at all times. Garmin and JVC KENWOOD will not be responsible for any traffic fines or citations that you may receive for failing to follow all applicable traffic laws and signs

An icon displaying the current speed limit may appear as you travel on major roadways.

1. **From the map, select > Set Speed Limit.**
2. **Select and to set the speed limit.**

Using Suggested Routes

Before you can use this feature, you must save at least one location and enable the travel history feature (page 15).

Using the myTrends™ feature, your device predicts your destination based on your travel history, the day of the week, and the time of day. After you have driven to a saved location several times, the location may appear in the navigation bar on the map, along with the estimated time of travel, and traffic information.

Select the navigation bar to view a suggested route to the location.

Using Exit Services

- You must be on a major highway or road to use Exit Services.

While navigating a route, you can find gas, food, lodging, and restrooms near upcoming exits.

Services are listed under tabs by category.

	Gas
	Food
	Lodging
	Restrooms

Finding Exit Services

1. From the map, select ☰ > Exit Services.
2. Use the arrows to select an upcoming exit.
3. Select an exit service tab.
4. Select a point of interest.

Navigating to an Exit

1. From the map, select ☰ > Exit Services > 🔍.
2. Select Go!.

Using Find Ahead

When upcoming exits do not have needed services, you can search farther ahead on your route.

1. While navigating a route, from the map select ☰ > Exit Services.
2. Select an exit service tab that does not have an upcoming service match.
3. Select Find Ahead.
4. Select ◄ > ► to see more exits.
5. Select a service.
6. Select Go!

Avoiding Road Features

1. Select Settings > Navigation > Avoidances.
2. Select the road features to avoid on your routes, and select Save.

Adding a Custom Avoidance Area

Custom avoidances allow you to avoid specific areas and sections of road. You can enable and disable custom avoidances as needed.

1. Select Settings > Navigation > Custom Avoidances.
2. If necessary, select Add Avoidance.
3. Select Add Avoid Area.
4. Select the upper-left corner of the area to avoid, and select Next.
5. Select the lower-right corner of the area to avoid, and select Next.

   The selected area is shaded on the map.
6. Select Done.

Avoiding a Road

1. Select Settings > Navigation > Custom Avoidances.
2. Select Add Avoid Road.
3. Select the starting point of the section of road to avoid, and select Next.
4. Select the ending point of the road section, and select Next.
5. Select Done.

Disabling a Custom Avoidance

You can disable a custom avoidance without deleting it.

1. Select Settings > Navigation > Custom Avoidances.
2. Select an avoidance.
3. Select ☰ > Disable.

Deleting Custom Avoidances

1. **Select Settings > Navigation > Custom Avoidances.**
2. **Select an option:**
   - **To delete all custom avoidances, select .**
   - **To delete one custom avoidance, select the avoidance, and select > Delete.**

Enabling Advanced Detours

Select Settings > Navigation > Advanced Detours.

Taking a Detour Around Specified Areas

You can take a detour for a specified distance along your route or detour around specific roads. This is useful if you encounter construction zones, closed roads, or poor road conditions.

1. **Select a destination, and select Go! (page 12).**
2. **From the map, select > Detour**
3. **Select Next .5mi on Route, Next 2mi on Route, Next 5mi on Route, or Detour by Road(s) on Route.**
4. **If necessary, select a road to detour around.**

Navigating Off Road

If you are not following roadways as you navigate, you can use Off Road mode.

1. **Select Settings > Navigation.**
2. **Select Calculation Mode > Off Road > Save.**

   The route will be calculated as a straight line to the location.

The Map Pages

You can customize which data appear on the map and view upcoming turns and current location information.

Customizing the Map Layers

You can customize which data appear on the map, such as icons for points of interest and road conditions.

1. **From the map, select .**
2. **Select Map Layers.**
3. **Select which layers you want to include on the map, and select Save.**

Viewing the Trip Log

Your device keeps a trip log, which is a record of the path you have traveled.

1. **Select Settings > Map & Vehicle > Map Layers.**
2. **Select the Trip Log check box.**

Changing the Map Data Field

1. **From the map, select the data field in the lower left-hand corner.**
2. **Select a type of data to display.**
3. **Select Save.**

Changing the Map Perspective

1. **Select Settings > Map & Vehicle > Driving Map View.**
2. **Select an option:**
   - Select **Track Up** to display the map in two dimensions (2-D), with your direction of travel at the top.
   - Select **North Up** to display the map in 2-D with North at the top.
   - Select **3-D** to display the map in three dimensions.

Customizing Map Buttons

You can include up to three icons on the right side of the main map.

1. **Select Settings > Map & Vehicle > Map Buttons.**
2. **Select an icon, and select OK.**
3. **Select .**
4. **Select a different icon.**

Removing Buttons from the Map

You can remove all buttons from the right side of the map.

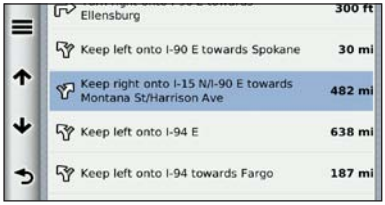
1. **Select Settings > Map & Vehicle > Map Buttons.**
2. **Select an icon, and touch OK.**
3. **Select Save.**

Viewing a List of Turns

When you are navigating a route, you can view all of the turns and maneuvers for your entire route and the distance between turns.

1 **Select the text bar on the top of the map.**

2 **Select a turn.**



The details for the turn appear. If available, an image of the junction appears for junction on major roadways.

Viewing the Entire Route on the Map

1 **While navigating a route, select the navigation bar at the top of the map.**

2 **Select > Map.**

Viewing the Next Turn

While navigating a route, a preview of the next turn, lane change, or other maneuver appears in the upper-left corner of the map.

The preview includes the distance to the turn or maneuver and the lane in which you should be traveling, if available.

From the map, select to view the next turn on the map.

Viewing Junctions

While navigating a route, you can view the junctions on major roadways. When you approach a junction in a route, the image of that junction appears briefly, if available.

- The Lane Assist page with Junction View is not available on the DNX690HD , DNX570HD, and DNX5080EX.

From the map, select to view the junction, if available.

Viewing Traffic Alerts

While you navigate a route, a traffic alert may appear.

Select the alert to view more information.

Viewing Trip Information

The trip information page displays your present speed and provides statistics about your trip.

From the map, select > Trip Computer.

Resetting Trip Information

1. **From the map, select > Trip Computer.**
2. **Select > Reset All.**
3. **Select an option:**
   - **When not navigating a route, select Select All to reset every data field, except the speedometer, on the page.**
   - **Select Reset Trip Data to reset the information on the trip computer.**
   - **Select Reset Max. Speed to reset the maximum speed.**
   - **Select Reset Trip B to reset the odometer.**

Viewing Current Location Information

You can use the Where Am I? page to view information about your current location. This feature is helpful if you need to tell emergency personnel your location.

From the map, select > Where Am I?.

Finding Nearby Services

You can use the Where Am I? page to find nearby services, such as hospitals or police stations.

1. **From the map, select > Where Am I?.**
2. **Select a category.**

Directions to Your Current Location

If you need to tell another person how to get to your current location, your device can give you a list of directions.

Select Apps > Where Am I? > > Directions to Me.

Using the Apps

The Apps on your navigation system provide access to weather, trip planning, fuel reports, and more.

About Smartphone Link

Smartphone Link is a phone application that allows your navigation system to download live data using your phone data connection. Your system transfers data from Smartphone Link using Bluetooth wireless technology.

Connecting to Smartphone Link provides access to Garmin Live Services. Garmin Live Services provides free and subscription-based plans to view live data on your device, such as traffic data, weather, and fuel prices.

Saved locations and recently found locations are synchronized with your phone each time your navigation system connects to Smartphone Link.

Downloading Smartphone Link

Smartphone Link supports phones running Android™ operating system version 2.1 or newer.

Download Smartphone Link from the application market on your supported phone. See your phone owner's manual for information on downloading and installing applications.

Connecting to Smartphone Link

Before you can connect to Smartphone Link, you must download and install the Smartphone Link application on your phone.

1. **Start Smartphone Link on your phone.**
2. **See your other Kenwood system manuals and your phone owner's manual for connection information.**

   appears in the status bar on your device when Smartphone Link is connected.

Sending a Location from Your Phone

Smartphone Link is registered as a navigation application on your phone.

1. **From your phone, select the button to start navigating to a location (see the owner's manual for your phone).**
2. **Select Smartphone Link from the application menu.**

   The next time you connect your device to your phone, the location is transferred to the recently found items on your device.

Disabling Calls While Connected

While the device is connected to the phone and receiving Garmin Live Services, you can disable hands-free calling.

1. **Select Apps > Smartphone Link.**
2. **Select your phone.**
3. **Clear the Hands-Free Calling check box.**

About Garmin Live Services

- Smartphone Link supports phones running Android operating system version 2.1 or newer.

Before you can use Garmin Live Services, your device must be connected to a supported phone running Smartphone Link (**page 24**).

Some Garmin Live Services, like Weather, are available as separate apps on your device. Other Garmin Live Services, like Live Traffic, enhance the existing navigation features on your device. Connecting to Smartphone Link provides access to Garmin Live Services. Garmin Live Services provide free and subscription-based plans to view live data on your device, such as traffic data, weather and fuel prices.

Features that require access to Garmin Live Services display the Smartphone Link symbol and appear only when the device is connected to Smartphone Link.

Subscribing to Garmin Live Services

You must subscribe to Garmin Live Services using the Smartphone Link app on your phone.

1. **Start the Smartphone Link app on your phone (page 24).**
2. **Select Garmin Live Services.**

   A list of services and subscription prices appears.
3. **Select a service.**
4. **Select the price.**
5. **Select Subscribe.**
6. **Follow the on-screen instructions.**

About ecoRoute

The ecoRoute™ feature calculates your vehicle fuel economy, carbon footprint, and the fuel price of navigating to a destination, and offers tools for improving fuel efficiency.

The data provided by the ecoRoute feature is only an estimate. The data is not actually read from your vehicle. To receive more-accurate fuel reports for your specific vehicle and driving habits, calibrate the fuel economy.

Creating a Vehicle Profile

The vehicle profile provides a basis for ecoRoute to calculate your vehicle fuel economy.

1. **Select Apps > ecoRoute™.**
2. **Enter the required information, and select Next.**
3. **Select Done.**

Resetting Your Vehicle Profile

1. **Select Apps > ecoRoute™ > Vehicle Profile.**
2. **Select Reset.**

Calibrating Fuel Economy

Use this feature when you refuel to maintain an accurate fuel economy.

1. **Select Apps > ecoRoute™ > At the Pump.**
2. **Enter the current fuel price.**
3. **Enter how much fuel your vehicle has used since the last fill up.**
4. **Enter the distance you have traveled since the last fill up.**
5. **Select Next.**

Taking the ecoChallenge

The ecoChallenge helps you maximize your fuel economy by scoring your driving habits. The higher your ecoChallenge scores, the more fuel you save. The ecoChallenge collects data and calculates a score whenever you are moving.

The ecoChallenge icon displays your current score on the map.

Select Apps > ecoRoute™ > ecoChallenge.

- To view detailed ecoChallenge scores, select the icon.

  The leaf color on the driving challenge icon changes depending on your performance in the challenge.

About ecoChallenge Scores

- **Overall**—a combination of the speed, acceleration, and braking score.
- **Speed**—gain points for driving at your vehicle optimal speed for conserving fuel (45–60 mph for most vehicles).
- **Acceleration**—gain points for smooth acceleration; lose points for rapid acceleration.
- **Braking**—gain points for smooth braking; lose points for hard braking.

Hiding Your ecoChallenge Score

1. **Select Settings > Map & Vehicle > Map Buttons.**
2. **Select .**
3. **Select OK.**

Resetting Your Score

You can restart your current ecoChallenge.

1. **Select Apps > ecoRoute > ecoChallenge.**
2. **Select > Reset.**
3. **Select Yes.**

Viewing Your Fuel Economy

1. **Select Apps > ecoRoute™ > Fuel Economy.**

   The graph along the bottom shows your average fuel economy for a period of driving time.
2. **Select a section of the graph to zoom in.**
3. **Select Reset to clear the fuel economy data.**

About the Mileage Report

A mileage report tracks the distance, the time, the average fuel economy, and the fuel cost of navigating to a destination.

A mileage report is created for every route that you drive. If you stop a route on the device, a mileage report is created for the distance you traveled.

Mileage reports are created automatically when you stop or complete routes.

Viewing a Mileage Report

You can view the 20 most-recent mileage reports.

1. **Select Apps > ecoRoute™ > Mileage Report.**
2. **Select a report.**

   To reset all report data, select Reset.

Exporting a Mileage Report

1. **Connect a USB mass storage device to your Kenwood unit.**
2. **Select Apps > ecoRoute™ > Mileage Report.**
3. **Select Export to export and save the reports to the USB mass storage device.**

Setting Routes that Use Less Fuel

1. **Select Settings > Navigation > Calculation Mode.**
2. **Select Less Fuel.**

Viewing myGarmin Messages

Before you can use this feature, your device must be connected to a supported phone running Smartphone Link **(page 24).** This feature is not available in all areas.

You can view messages from myGarmin, such as notifications for software and map updates.

1. **Select Apps > myGarmin.**

   If you have unread messages, the number of unread messages appears on the myGarmin icon.
2. **Select a message subject.**

   The full message appears.

Viewing the Weather Forecast

Before you can use this feature, your device must be connected to a supported phone running Smartphone Link **(page 24)**. This feature is not available in all areas.

1. **Select Apps > Weather.**

   The forecast for your current location appears.
2. **Select a day.**

   The detailed forecast for that day appears.

Viewing Weather Near a Different City

1. **Select Apps > Weather > Current Location.**
2. **Select an option:**
   - **To view weather for a favorite city, select a city in the list.**
   - **To add a favorite city, select Add City, and enter a city name.**

Viewing the Weather Radar

You can view an animated, color-coded radar map of current weather conditions, as well as a weather icon on the map. The weather icon changes to show weather in the vicinity, such as rain, snow, and thunderstorms.

1. **Select Apps > Weather.**
2. **If necessary, select a city.**
3. **Select ☰ > Weather Radar.**

Viewing Weather Alerts

While you are traveling with your device, weather alerts may appear on the map. You can also view a map of weather alerts near your current location or near a selected city.

1. **Select Apps > Weather.**
2. **If necessary, select a city.**
3. **Select ☰ > Weather Alerts.**

Checking Road Conditions

1. **Select Apps > Weather.**
2. **If necessary, select a city.**
3. **Select ☰ > Road Conditions.**

Planning a Trip

You can use the trip planner to create and save a trip with multiple destinations.

1. **Select Apps > Trip Planner.**
2. **Select New Trip.**
3. **Select Select Start Location.**
4. **Search for a location (page 12).**
5. **Select Select.**
6. **To add additional locations, select +.**
7. **Select Next.**
8. **Enter a name, and select Done.**

Editing a Trip Itinerary

1. **Select Apps > Trip Planner.**
2. **Select a saved trip.**
3. **Select an option:**
   - To change the arrival or departure time, select a location in the trip.
   - To record how long you will stay at a location, select a location in the trip, and select **Duration**.
   - To view the trip on the map, select **Map**.

Navigating to a Saved Trip

1. **Select Apps > Trip Planner.**
2. **Select a saved trip.**
3. **Select Go!.**
4. **If prompted, select a route.**

Editing a Saved Trip

1. **Select Apps > Trip Planner.**
2. **Select a saved trip.**
3. **Select ☰.**
4. **Select an option:**
   - Select **Rename Trip**.
   - Select **Edit Destinations** to add and delete locations, or to change the order of locations.
   - Select **Delete Trip**.
   - Select **Optimize Order** to arrange the stops on your trip in the most-efficient order.

Viewing Previous Routes & Destinations

Before you can use this feature, you must enable the travel history feature (page 34).

You can view your previous routes and places you have stopped on the map.

Select Apps > Where I've Been.

Using the World Clock

1. **Select Apps > World Clock.**
2. **If necessary, select a city, enter a city name, and select Done.**

Viewing the World Map

Select Apps > World Clock > .

Nighttime hours appear in the shaded area of the map.

Finding Parking

Before you can use this feature, you must subscribe to the Dynamic Parking service, and your device must be connected to a supported phone running Smartphone Link (page 24). This feature is not available in all areas.

You can find detailed parking information, in cluding parking availability in nearby garages, and pricing information.

1. **Select Apps > Parking.**
2. **Select a parking location.**

Traffic Information

Using the built-in receiver, the navigation system can receive and use traffic information. When a traffic message is received, you can see the event on the map and change your route to avoid the traffic incident. Traffic information is not available on all models or in all areas.

NOTICE

Garmin and JVC KENWOOD is not responsible for the accuracy or timeliness of the traffic information.

Traffic information may not be available in all areas or countries.

Traffic Subscription Activation

You do not need to activate the subscription included with your navigation system. The subscription activates automatically after your system acquires satellite signals while receiving traffic signals from the pay service provider.

Understanding Traffic

Your navigation system can receive traffic information using the built-in traffic receiver or a traffic subscription from Garmin Live Services (**page 25**). The traffic receiver must be in data range of a station transmitting traffic data to receive traffic information. The traffic subscription activates automatically after your navigation system acquires satellite signals while receiving traffic signals from the service provider. You can add other subscriptions at any time. For information about traffic receivers and coverage areas, go to www.garmin.com/kenwood.

Traffic Data Using Smartphone Link

You can purchase a traffic subscription to receive traffic data using Smartphone Link. When your navigation system is connected to Smartphone Link and within a traffic coverage area, your system will begin displaying traffic information. Traffic data is not available in all areas.

1. **From your phone, purchase a traffic subscription from Garmin Live Services (page 25).**

2. **Connect your device to Smartphone LInk (page 24).**

About the Traffic Icon

When you are receiving traffic information, a traffic icon appears on the Map. The traffic icon changes color to indicate the severity of traffic conditions.

Color	Description	Meaning
Green	Low severity	Traffic is flowing normally.
Yellow	Medium severity	Traffic is slightly congested.
Red	High severity	Traffic is heavily congested or stopped.
Gray	No data	Traffic data has not updated.

Traffic on Your Route

When calculating your route, the navigation system examines the current traffic and automatically optimizes the route for the shortest time. If a severe traffic delay occurs on your route while you are navigating, your navigation system automatically recalculates the route.

The traffic icon changes color to indicate the severity of traffic conditions on your route or on the road you are currently traveling.

Your navigation system may route you through a traffic delay if a better alternative route does not exist. The delay time is added into your estimated time of arrival automatically.

Viewing Traffic on Your Route

1. **While navigating a route, select .**
2. **Select Traffic on Route.**

   A list of traffic events appears, organized by their location on the route.
3. **Select an event.**

Manually Avoiding Traffic on Your Route

1. **From the map, select .**
2. **Select Traffic On Route.**
3. **If necessary, use the arrows to view other traffic delays on your route.**
4. **Select > Avoid.**

Taking an Alternate Route

1. **While navigating an automobile route, select .**
2. **Select Alternate Route.**
3. **Select a route.**

Viewing Traffic on the Map

The traffic map shows color-coded traffic flow and delays on nearby roads.

1. **From the map, select .**
2. **Select Traffic Conditions.**

Searching for Traffic Delays

1. **From the map, select .**
2. **Select Traffic Conditions > .**
3. **Select an item in the list.**
4. **If there is more than one delay, use the arrows to view additional delays.**

Viewing a Traffic Incident on the Map

1. **From the map, select .**
2. **Select Traffic Conditions.**
3. **Select a traffic icon.**

Understanding Traffic Data

The traffic legend explains the icons and colors used on the traffic map.

1. **From the map, select .**
2. **Select Traffic Legend.**

About Traffic Cameras

Before you can use this feature, you must subscribe to the photoLive service, and your device must be connected to a supported phone running Smartphone Link (page 24). This feature is not available in all areas.

Traffic cameras provide live images of traffic conditions on major roadways and intersections. You can save cameras that you want to view regularly.

Saving a Traffic Camera

1. **Select Apps > MyCameras.**
2. **Select Add Camera.**
3. **Select a road.**
4. **Select an intersection.**
5. **Select Save.**

Viewing a Traffic Camera

Before you can view a traffic camera, you must save a traffic camera.

1. **Select Apps > myCameras.**
2. **Select a camera.**

Adding a Traffic Subscription

You can purchase traffic subscriptions for other regions or countries. Go to www.garmin.com/kenwood for more information.

Customizing the Settings

You can customize the settings of your GPS navigation system.

Customizing the Navigation System

1. **Select Settings.**
2. **Select a setting category.**
3. **Select the setting to change it.**

Changing the Map Settings

Select Settings > Map & Vehicle.

- **Vehicle**—select **Change** to change the icon used to display your position on the map. Select the icon you want to use, and select **Save**.
- **Driving Map View**—select a map perspective.
- **Map Detail**—adjust the amount of detail shown on the map. More detail may cause the map to redraw slower.
- **Map theme**—changes the color of the map data.
- **Map Buttons**: Sets which icons are included on the map. Up to three icons can be included on the map.
- **Map Layers**: Sets the data that appears on the map.
- **Dashboards**: Sets the map dashboard layout.
- **myMaps**: Sets which installed maps the device uses.

Enabling Maps

1. **Select Settings > Map & Vehicle > myMaps.**
2. **Select a map.**

Changing the Navigation Settings

Select Settings > Navigation.

- **Calculation Mode**—sets route preference.
- **Avoidances**—sets road features to avoid on a route.
- **Custom Avoidances**—allows you to avoid specific roads or areas.
- **Advanced Detours**—sets the length of a detour.
- **Safe Mode**—disables all functions that require significant operator attention and could become a distraction while driving.
- **GPS Simulator**—stops the device from receiving a GPS signal, and saves battery power.

Adjusting the Display Settings

Select Settings > Display.

- **Color Mode**—select **Day** for a light background, **Night** for a dark background, or **Auto** to automatically switch between the two.

Route Preferences

Select Settings > Navigation > Calculation Mode.

The route calculation is based on road speeds and vehicle acceleration data for a given route.

- **Faster Time**—calculates routes that are faster to drive but can be longer in distance.
- **Shorter Distance**—calculates routes that are shorter in distance but can take more time to drive.
- **Less Fuel**—calculates routes that could use less fuel than other routes.
- **Off Road**—calculates a direct line from your location to your destination.

Updating the Time Settings

Select Settings > Units & Time.

- **Current Time**—select **Automatic** to update the time automatically. When Automatic is not selected, you can adjust the time in 15-minute increments.
- **Time Format**—select a 12-hour, 24-hour, or UTC time format.
- **Units**—sets the unit of measure used for distances.

Setting the Languages

Select Settings > Language & Keyboard.

- **Voice Language**—select a voice for the voice prompts.
- **Keyboard Language**—sets the language for your keyboard.
- **Keyboard Layout**—sets the keyboard layout.

Adding Security

Select Settings > Navigation > Safe Mode.

- **Safe Mode**—turn safe mode on or off. When your vehicle is moving, safe mode disables all functions that require significant operator attention and could become a distraction while driving.

Device and Privacy Settings

Select Settings > Device.

- **About** — displays the software version number, the unit ID number, and information on several other software features.

- You need this information when you update the system software or purchase additional map data (page 35).
- **Travel History** — allows the device to record information for the myTrends (page 18), Where I've Been (page 29) and Trip Log features.
- **Clear Travel History**—clears all travel history for the myTrends (page 18), Where I've Been (page 29) and Trip Log features.

Restoring Settings

You can restore a category of settings or all settings to the factory default values.

1. **Select Settings.**
2. **If necessary, select a settings category.**
3. **Select ☰ > Restore.**

Appendix

This appendix provides additional information about your navigation system, such as how to update the software and map data.

Updating the Software

To update the navigation system software, you must have a USB mass storage device and an Internet connection.

1. **Go to www.garmin.com/Kenwood.**
2. **Find your model and select Software Updates > Download.**
3. **Read and accept the terms of the Software License Agreement.**
4. **Follow the instructions on the Web site to complete the installation of the software update.**

Updating the Map Data

You can purchase updated map data from Garmin or ask your Kenwood dealer or Kenwood service center for details.

1. **Go to www.garmin.com/Kenwood.**
2. **Select Order Map Updates for your Kenwood unit.**
3. **Follow the Web site instructions to update your map.**

Safety Cameras

⚠ WARNING

Garmin and JVC KENWOOD are not responsible for the accuracy of, or the consequences of using, a safety camera database.

Safety camera information is available in some locations. Go to http://my.garmin.com for availability. For these locations, the navigation system includes the locations of hundreds of safety cameras. Your navigation system alerts you when you are approaching a safety camera and can warn you if you are driving too fast. The data is updated at least weekly, so you always have access to the most up-to-date information.

You can purchase a new region or extend an existing subscription at any time. Each region that you purchase has an expiration date.

Custom POIs (Points of Interest)

You can manually load custom points of interest (POI) databases, available from various companies on the Internet. Some custom POI databases contain alert information for points such as safety cameras and school zones. The navigation system can notify you when you approach one of these points. You are responsible for ensuring that your use of safety camera information is lawful in your area.

⚠ WARNING

Garmin and JVC KENWOOD are not responsible for the consequences of using custom POI databases, or for the accuracy of custom POI databases.

After downloading your POI database, use the Garmin POI Loader to install the POIs onto a USB mass storage device. Use the USB mass storage device to load the POIs. The POI Loader is available at www.garmin.com/products/poiloader. Refer to the POI Loader Help file for more information; click **Help** to open the Help file.

- Each time you load custom POIs to the navigation system, any other custom POIs already saved in the system will be overwritten.

Finding Custom POIs

1. **Select Where To? > Categories > Custom POIs.**
2. **Select a category.**

For the latest free software updates (excluding map data) throughout the life of your Garmin products, visit the Garmin Web site at www.garmin.com/Kenwood.

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